

RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.

Application Serial Number: 09 | S82,711 B
Source: IPW16
Date Processed by STIC: 11-18-04

ENTERED



IFW16

RAW SEQUENCE LISTING

DATE: 11/18/2004

PATENT APPLICATION: US/09/582,711B

TIME: 16:48:43

Input Set : A:\SeqList 5037 US.txt

Output Set: N:\CRF4\11182004\I582711B.raw

in

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3 <110> APPLICANT: Serre, Guy
4      Girbal-Neuhauser, Elisabeth
5      Vincent, Christian
6      Simon, Micheal
7      Sebbag, Mireille
8      Dalbon, Pascal
9      Jolivet-Reynaud, Colette
10     Arnaud, Michael
12 <120> TITLE OF INVENTION: Peptide Epitopes Recognized by Antifilaggrin Autoantibodies
13     Serum from Rheumatoid Arthritis Patients
15 <130> FILE REFERENCE: 045636-5037-US
17 <140> CURRENT APPLICATION NUMBER: US 09/582,711B
18 <141> CURRENT FILING DATE: 2000-06-30
20 <150> PRIOR APPLICATION NUMBER: PCT/FR98/02899
21 <151> PRIOR FILING DATE: 1998-12-29
23 <160> NUMBER OF SEQ ID NOS: 13
25 <170> SOFTWARE: PatentIn version 3.2
27 <210> SEQ ID NO: 1
28 <211> LENGTH: 24
29 <212> TYPE: DNA
30 <213> ORGANISM: Artificial Sequence
32 <220> FEATURE:
33 <223> OTHER INFORMATION: PCR primer to amplify filaggrin
35 <400> SEQUENCE: 1
36 ttcctataacc aggtgagcac tcat
39 <210> SEQ ID NO: 2
40 <211> LENGTH: 25
41 <212> TYPE: DNA
42 <213> ORGANISM: Artificial Sequence
44 <220> FEATURE:
45 <223> OTHER INFORMATION: PCR primer to amplify filaggrin
47 <400> SEQUENCE: 2
48 agaccctgaa cgtccagacc gtccc
51 <210> SEQ ID NO: 3
52 <211> LENGTH: 49
53 <212> TYPE: PRT
54 <213> ORGANISM: Homo sapiens
56 <400> SEQUENCE: 3
58 Ser Thr Gly His Ser Gly Ser Gln His Ser His Thr Thr Thr Gln Gly
59 1           5           10           15
62 Arg Ser Asp Ala Ser Arg Gly Ser Ser Gly Ser Arg Ser Thr Ser Arg
63           20           25           30
66 Glu Thr Arg Asp Gln Glu Gln Ser Gly Asp Gly Ser Arg His Ser Gly

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Input Set : A:\SeqList 5037 US.txt

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67          35          40          45
70 Ser
74 <210> SEQ ID NO: 4
75 <211> LENGTH: 37
76 <212> TYPE: PRT
77 <213> ORGANISM: Homo sapiens
79 <400> SEQUENCE: 4
81 Ser Gln Asp Arg Asp Ser Gln Ala Gln Ser Glu Asp Ser Glu Arg Arg
82 1          5          10          15
85 Ser Ala Ser Ala Ser Arg Asn His Arg Gly Ser Ala Gln Glu Gln Ser
86          20          25          30
89 Arg Asp Gly Ser Arg
90          35
93 <210> SEQ ID NO: 5
94 <211> LENGTH: 14
95 <212> TYPE: PRT
96 <213> ORGANISM: Homo sapiens
98 <400> SEQUENCE: 5
100 Glu Gln Ser Ala Asp Ser Ser Arg His Ser Gly Ser Gly His
101 1          5          10
104 <210> SEQ ID NO: 6
105 <211> LENGTH: 14
106 <212> TYPE: PRT
107 <213> ORGANISM: Homo sapiens
109 <400> SEQUENCE: 6
111 Glu Ser Ser Arg Asp Gly Ser Arg His Pro Arg Ser His Asp
112 1          5          10
115 <210> SEQ ID NO: 7
116 <211> LENGTH: 5
117 <212> TYPE: PRT
118 <213> ORGANISM: Artificial Sequence
120 <220> FEATURE:
121 <223> OTHER INFORMATION: epitope recognized by anti-filaggrin antibody
124 <220> FEATURE:
125 <221> NAME/KEY: MISC_FEATURE
126 <222> LOCATION: (1)..(1)
127 <223> OTHER INFORMATION: Xaa may be Ser or Gly
129 <220> FEATURE:
130 <221> NAME/KEY: MISC_FEATURE
131 <222> LOCATION: (3)..(3)
132 <223> OTHER INFORMATION: Xaa is citrulline
134 <220> FEATURE:
135 <221> NAME/KEY: MISC_FEATURE
136 <222> LOCATION: (5)..(5)
137 <223> OTHER INFORMATION: Xaa may be Ser or Pro
139 <400> SEQUENCE: 7
W--> 141 Xaa Ser Xaa His Xaa
142 1          5
145 <210> SEQ ID NO: 8

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146 <211> LENGTH: 6
147 <212> TYPE: PRT
148 <213> ORGANISM: Artificial Sequence
150 <220> FEATURE:
151 <223> OTHER INFORMATION: epitope recognized by anti-filaggrin antibody
154 <220> FEATURE:
155 <221> NAME/KEY: MISC_FEATURE
156 <222> LOCATION: (1)..(1)
157 <223> OTHER INFORMATION: Xaa may be Asp
159 <220> FEATURE:
160 <221> NAME/KEY: MISC_FEATURE
161 <222> LOCATION: (2)..(2)
162 <223> OTHER INFORMATION: Xaa may be Ser or Gly
164 <220> FEATURE:
165 <221> NAME/KEY: MISC_FEATURE
166 <222> LOCATION: (4)..(4)
167 <223> OTHER INFORMATION: Xaa is citrulline
169 <220> FEATURE:
170 <221> NAME/KEY: MISC_FEATURE
171 <222> LOCATION: (6)..(6)
172 <223> OTHER INFORMATION: Xaa may be Ser or Pro
174 <400> SEQUENCE: 8
W--> 176 Xaa Xaa Ser Xaa His Xaa
177 1 5
180 <210> SEQ ID NO: 9
181 <211> LENGTH: 7
182 <212> TYPE: PRT
183 <213> ORGANISM: Artificial Sequence
185 <220> FEATURE:
186 <223> OTHER INFORMATION: epitope recognized by anti-filaggrin antibody
189 <220> FEATURE:
190 <221> NAME/KEY: MISC_FEATURE
191 <222> LOCATION: (1)..(1)
192 <223> OTHER INFORMATION: Xaa may be Asp
194 <220> FEATURE:
195 <221> NAME/KEY: MISC_FEATURE
196 <222> LOCATION: (2)..(2)
197 <223> OTHER INFORMATION: Xaa may be Ser or Gly
199 <220> FEATURE:
200 <221> NAME/KEY: MISC_FEATURE
201 <222> LOCATION: (4)..(4)
202 <223> OTHER INFORMATION: Xaa is citrulline
204 <220> FEATURE:
205 <221> NAME/KEY: MISC_FEATURE
206 <222> LOCATION: (6)..(6)
207 <223> OTHER INFORMATION: Xaa may be Ser or Pro
209 <220> FEATURE:
210 <221> NAME/KEY: MISC_FEATURE
211 <222> LOCATION: (7)..(7)

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212 <223> OTHER INFORMATION: Xaa may be Gly or Arg
214 <400> SEQUENCE: 9
W--> 216 Xaa Xaa Ser Xaa His Xaa Xaa
217 1 5
220 <210> SEQ ID NO: 10
221 <211> LENGTH: 7
222 <212> TYPE: PRT
223 <213> ORGANISM: Artificial Sequence
225 <220> FEATURE:
226 <223> OTHER INFORMATION: epitope recognized by anti-filaggrin antibody
229 <220> FEATURE:
230 <221> NAME/KEY: MISC_FEATURE
231 <222> LOCATION: (1)..(2)
232 <223> OTHER INFORMATION: Xaa may be any amino acid
234 <220> FEATURE:
235 <221> NAME/KEY: MISC_FEATURE
236 <222> LOCATION: (4)..(4)
237 <223> OTHER INFORMATION: Xaa is citrulline
239 <220> FEATURE:
240 <221> NAME/KEY: MISC_FEATURE
241 <222> LOCATION: (6)..(7)
242 <223> OTHER INFORMATION: Xaa may be any amino acid
244 <400> SEQUENCE: 10
W--> 246 Xaa Xaa Ser Xaa His Xaa Xaa
247 1 5
250 <210> SEQ ID NO: 11
251 <211> LENGTH: 7
252 <212> TYPE: PRT
253 <213> ORGANISM: Artificial Sequence
255 <220> FEATURE:
256 <223> OTHER INFORMATION: epitope recognized by anti-filaggrin antibody
259 <220> FEATURE:
260 <221> NAME/KEY: MISC_FEATURE
261 <222> LOCATION: (1)..(1)
262 <223> OTHER INFORMATION: Xaa may be any amino acid
264 <220> FEATURE:
265 <221> NAME/KEY: MISC_FEATURE
266 <222> LOCATION: (2)..(2)
267 <223> OTHER INFORMATION: Xaa may be Ser or Gly
269 <220> FEATURE:
270 <221> NAME/KEY: MISC_FEATURE
271 <222> LOCATION: (4)..(4)
272 <223> OTHER INFORMATION: Xaa is citrulline
274 <220> FEATURE:
275 <221> NAME/KEY: MISC_FEATURE
276 <222> LOCATION: (6)..(6)
277 <223> OTHER INFORMATION: Xaa may be Ser or Pro
279 <220> FEATURE:
280 <221> NAME/KEY: MISC_FEATURE

RAW SEQUENCE LISTING

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Input Set : A:\SeqList 5037 US.txt

Output Set: N:\CRF4\11182004\I582711B.raw

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281 <222> LOCATION: (7)..(7)
282 <223> OTHER INFORMATION: Xaa may be any amino acid
284 <400> SEQUENCE: 11
W--> 286 Xaa Xaa Ser Xaa His Xaa Xaa
287 1 5
290 <210> SEQ ID NO: 12
291 <211> LENGTH: 7
292 <212> TYPE: PRT
293 <213> ORGANISM: Artificial Sequence
295 <220> FEATURE:
296 <223> OTHER INFORMATION: epitope recognized by anti-filaggrin antibody
299 <220> FEATURE:
300 <221> NAME/KEY: MISC_FEATURE
301 <222> LOCATION: (1)..(1)
302 <223> OTHER INFORMATION: Xaa may be Asp
304 <220> FEATURE:
305 <221> NAME/KEY: MISC_FEATURE
306 <222> LOCATION: (2)..(2)
307 <223> OTHER INFORMATION: Xaa may be Ser or Gly
309 <220> FEATURE:
310 <221> NAME/KEY: MISC_FEATURE
311 <222> LOCATION: (4)..(4)
312 <223> OTHER INFORMATION: Xaa is citrulline
314 <220> FEATURE:
315 <221> NAME/KEY: MISC_FEATURE
316 <222> LOCATION: (6)..(6)
317 <223> OTHER INFORMATION: Xaa may be Ser or Pro
319 <220> FEATURE:
320 <221> NAME/KEY: MISC_FEATURE
321 <222> LOCATION: (7)..(7)
322 <223> OTHER INFORMATION: Xaa may be any amino acid
324 <400> SEQUENCE: 12
W--> 326 Xaa Xaa Ser Xaa His Xaa Xaa
327 1 5
330 <210> SEQ ID NO: 13
331 <211> LENGTH: 7
332 <212> TYPE: PRT
333 <213> ORGANISM: Artificial Sequence
335 <220> FEATURE:
336 <223> OTHER INFORMATION: epitope recognized by anti-filaggrin antibody
339 <220> FEATURE:
340 <221> NAME/KEY: MISC_FEATURE
341 <222> LOCATION: (1)..(1)
342 <223> OTHER INFORMATION: Xaa may be Asp
344 <220> FEATURE:
345 <221> NAME/KEY: MISC_FEATURE
346 <222> LOCATION: (2)..(2)
347 <223> OTHER INFORMATION: Xaa may be Ser or Gly
349 <220> FEATURE:

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RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/09/582,711B

DATE: 11/18/2004
TIME: 16:48:44

Input Set : A:\SeqList 5037 US.txt
Output Set: N:\CRF4\11182004\I582711B.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:7; Xaa Pos. 1,3,5 ✓
Seq#:8; Xaa Pos. 1,2,4,6 ✓
Seq#:9; Xaa Pos. 1,2,4,6,7 ✓
Seq#:10; Xaa Pos. 1,2,4,6,7 ✓
Seq#:11; Xaa Pos. 1,2,4,6,7 ✓
Seq#:12; Xaa Pos. 1,2,4,6,7 ✓
Seq#:13; Xaa Pos. 1,2,4,6,7 ✓

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/582,711B

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Input Set : A:\SeqList 5037 US.txt

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L:141 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7 after pos.:0
L:176 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8 after pos.:0
L:216 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9 after pos.:0
L:246 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10 after pos.:0
L:286 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11 after pos.:0
L:326 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12 after pos.:0
L:366 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13 after pos.:0